Wyoming-Specific Activity: MMWR Week 4 (Week ending January 31, 2009)

Week	Total
40	8
41	4
42	0
43	2
44	0
45	1
46	3
47	1
48	0
49	1
50	0
51	1
52	2
53	1
1	2
2	1
3	6
4	18
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
Total	**51**

County	Totals
Albany	3*
Big Horn	
Campbell	14
Carbon	
Converse	
Crook	
Fremont	1
Goshen	1
Hot Springs	1
Johnson	
Laramie	7
Lincoln	1*
Natrona	6
Niobrara	
Park	2
Platte	1
Sheridan	
Sublette	5
Sweetwater	3
Teton	4
Uinta	
Washakie	
Weston	2
Unknown	
Total	**51**

Age	Number
0-4	9
5-10	4
11-19	7
20-39	20
40-59	8
60+	3
Unknown	
Total	**51**

Gender	Number
Male	27
Female	24
Unknown	
Total	**51**

Type	Number
A	33
B	7
Unknown	11
Total	**51**

Test	Number
Rapid	46
Culture	3
DFA	1
IFA	1
Total	**51**

***** Counties with positive laboratory cultures

Wyoming Public Health Laboratory Testing: MMWR Week 4 (Week ending January 31, 2009)

Week	# Submitted	A (H1)	A (H3)	B	Negative	Unknown	Not Tested
40	1	-	-	-	1		
41	0	-	-	-	-		
42	0	-	-	-	-		
43	0	-	-	-	-		
44	1	-	-	-	1		
45	0	-	-	-	-		
46	0	-	-	-	-		
47	2	-	-	-	2		
48	0	-	-	-	-		
49	1	-	-	-	1		
50	1	-	-	-	1		
51	0	-	-	-	-		
52	0	-	-	-	-		
53	0	-	-	-	-		
1	0	-	-	-	-		
2	0	-	-	-	-		
3	2	1	1	-	-		
4	4	-	-	1	3		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Total	**12**	**1**	**1**	**1**	**9**	**0**	**0**

Antigenic Characterization: MMWR Week 4 (Week ending January 31, 2009)

The Centers for Disease Control and Prevention (CDC) has antigenically characterized 255 influenza viruses [142 influenza A (H1), 35 influenza A (H3) and 78 influenza B viruses] collected by U.S. laboratories since October 1, 2008.

All 142 influenza A (H1) viruses are related to the influenza A (H1N1) component of the 2008-09 influenza vaccine (A/Brisbane/59/2007). All 35 influenza A (H3N2) viruses are related to the A (H3N2) vaccine component (A/Brisbane/10/2007).

Influenza B viruses currently circulating can be divided into two distinct lineages represented by the B/Yamagata/16/88 and B/Victoria/02/87 viruses. Twenty-three influenza B viruses tested belong to the B/Yamagata lineage and are related to the vaccine strain (B/Florida/04/2006). The remaining 55 viruses belong to the B/Victoria lineage and are not related to the vaccine strain.

Data on antigenic characterization should be interpreted with caution given that antigenic characterization data is based on hemagglutination inhibition (HI) testing using a panel of reference ferret antisera and results may not correlate with clinical protection against circulating viruses provided by influenza vaccination.

Annual influenza vaccination is expected to provide the best protection against those virus strains that are related to the vaccine strains, but limited to no protection may be expected when the vaccine and circulating virus strains are so different as to be from different lineages, as is seen with the two lineages of influenza B viruses.